

19971128.qrp v00\_n923.qrs.971128

Date: Fri, 28 Nov 1997 19:03:13 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 923

QRP-L Digest 923

Topics covered in this issue include:

- 1) [31437] K8DD/C6A is on the air  
by David Bixler <qrp@netins.net>
- 2) [31437] Bahamas QRP  
by Jeff Grudin <grudin@pacific.vdbs.com>
- 3) [31438] K8DD/C6 On 7039.42  
by flydnq7x@primenet.com (Floyd Smithberg)
- 4) [31439] Re: Seizing the carp of Vertical vs. Dipole (& SLR's)  
by NilsBull@aol.com
- 5) [31440] Eastern PA QRP Club  
by "Ron Polityka" <wb3aal@talon.net>
- 6) [31441] Verticals w/o radials work!  
by K5BDZ@aol.com
- 7) [31442] Re: K8DD/C6 On 7039.42  
by Monte Stark <ku7y@sage.dri.edu>
- 8) [31443] Re: Tnxgiving and Christmas shopping  
by "Tim Ahrens" <tahrens@inetport.com>
- 9) [31444] Re: Vertical vs. Dipole (& SLR's)  
by k5zty@juno.com
- 10) [31445] K8DD/C6A Heard but missed :^(  
by George Gingell <k3tks@u1.abs.net>
- 11) [31445] 1/2 wave Verticals w/o radials  
by K5BDZ@aol.com
- 12) [31446] Hank: K8DD/C6A  
by Joel Malman <malman@BBN.COM>
- 13) [31447] AL7FS Fox cancelled for Dec 5 (UTC)  
by "Jim, Nancy, Juliann, Issei" <larsennc@alaska.net>
- 14) [31448] I'm the Novice / Tech fox on Sunday  
by "Johnson" <johns516@maroon.tc.umn.edu>
- 15) [31449] R5 Vertical at my location  
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 16) [31450] Re: [CW] ZUT The meaning  
by WB7WHI@aol.com
- 17) [31451] CQ Zone?  
by W9SUL <pugrad@millcomm.com>
- 18) [31452] Re: DVM's  
by Leon Heller <leon@lfheller.demon.co.uk>
- 19) [31453] Re: Verticals w/o radials work!

- by ko7i@juno.com (Donald H Jones)
- 20) [31454] Got sum stuff duh what is it??  
by Tim\_McFadden@IngramMicro-Europe.com
- 21) [31455] Re: Verticals w/o radials work!  
by bruce muscolino <w6toy@pop.erols.com>
- 22) [31456] Re: Tnxgiving and Christmas shopping  
by bruce muscolino <w6toy@pop.erols.com>
- 23) [31457] Re: CQ Zone?  
by "Ken Hanks" <kennfd@ibm.net>
- 24) [31458] Question -- What crystal for an 80m Pixie II??  
by "JakeCart" <JakeCart@ix.netcom.com>
- 25) [31459] QRP PROPAGATION CHARTS NOW ONLINE  
by ARDUJENSKI@aol.com
- 26) [31460] Re: Verticals w/o radials work!  
by K5BDZ@aol.com
- 27) [31461] Re: Verticals w/o radials work! (Long)  
by "Ken Hanks" <kennfd@ibm.net>
- 28) [31462] SAT&SUN KB7MBI FOX  
by ARDUJENSKI@aol.com
- 29) [31463] Re: Verticals w/o radials work! (Long)  
by "Ron Smith" <resmith@primenet.com>
- 30) [31464] Ten-Tec Keyer  
by KF4EIB@aol.com
- 31) [31465] Jerry Hall's Propagation charts  
by n4so@juno.com (charles k brown)
- 32) [31466] Pixie Board & PC materials from Frank Mathews  
by Brian Kassel <bkassel@dancris.com>
- 33) [31467] ON4UN's LOW BAND DX'ing book  
by ko7i@juno.com (Donald H Jones)
- 34) [31468] Re: Verticals w/o radials work!  
by Vic Rosenthal <rakefet@rakefet.com>
- 35) [31469] Pixie II  
by "Alyn Backe" <ve6bpr@cnnnet.com>
- 36) [31470] Mystery Explained  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 37) [31471] Re: Verticals w/o radials work!  
by "Steve Hurst" <shurst@magiclink.com>
- 38) [31472] Help Wanted: Vertical antenna experts  
by Larry Cruise <larry.cruise@mci.com>
- 39) [31473] Re: Verticals w/o radials work! (Long)  
by "Steve Hurst" <shurst@magiclink.com>
- 40) [31474] Re: SGC SG-2020  
by Doug <doug@sunrise.alpinet.net>
- 41) [31475] Mush Puppies Serve Notice  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 42) [31476] Mush Puppies Serve Notice  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 43) [31477] Prop. program wanted that gives uV, power, etc.

by W7LS <w7ls@blarg.net>  
44) [31478] RE: QRP PROPAGATION CHARTS NOW ONLINE  
by n4js@pobox.com  
45) [31479] B&W BWDS 1.8-30 Folded Dipole Antenna Going Up (LONG)  
by Ed Tanton <n4xy@bellsouth.net>  
46) [31480] Billy Lunt question  
by "Rattray, Bruce" <Rattray@siast.sk.ca>  
47) [31481] Zack in Hawaii  
by Joel Malman <malman@BBN.COM>  
48) [31482] Re: K8DD/C6A Heard but missed :^(  
by adams@chuck.dallas.sgi.com (Chuck Adams)  
49) [31483] Tnx for info on "CQ Zone"  
by W9SUL <pugrad@millcomm.com>  
50) [31484] PROPAGATION CHART SITE CORRECTION  
by ARDUJENSKI@aol.com  
51) [31485] KH6/W1VT  
by "Curt Cornell" <cornellc@ix.netcom.com>  
52) [31486] Bottle on fence & BB gun  
by K5BDZ@aol.com  
53) [31487] DON'T HIT \*FORWARD\*  
by ARDUJENSKI@aol.com  
54) [31488] RE: Prop. program wanted that gives uV, power, etc.  
by Larry Cruise <larry.cruise@MCI.Com>  
55) [31489] Re: Billy Lunt question  
by Monte Stark <ku7y@sage.dri.edu>  
56) [31490] Re: SGC SG-2020  
by n5inz@juno.com (John M Andrews)  
57) [31491] OHR Classic Schematics and parts list/OHR 100A  
by vllario@eic.ictnet.es (Vicenc Llario i Zarzoso)  
58) [31492] Re: Pixie Board & PC materials from Frank Mathews  
by fmathews@norfolk.infi.net (Frank Matthews)  
59) [31493] Sunspots  
by adams@chuck.dallas.sgi.com (Chuck Adams)  
60) [31494] HB: Marlin P Jones?  
by kt3a@juno.com  
61) [31495] Solar Flare - The novel  
by kt3a@juno.com  
62) [31496] Re: Got sum stuff duh what is it??  
by Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>  
63) [31497] Re: 2N4372 ?  
by "HB Electronics (Bob Berlyn)" <hb\_elec@ids.net>  
64) [31498] Jones Super Gainer -- sighted again.  
by MNHopkins@aol.com

-----  
Date: Thu, 27 Nov 1997 19:13:43 -0800  
From: David Bixler <qrp@netins.net>

To: QRP-L Low Power Amateur Radio Discussion <QRP-L@Lehigh.EDU>  
Subject: [31437] K8DD/C6A is on the air  
Message-ID: <347E36E5.306686B0@netins.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello gang:

Just worked Hank K8DD/C6A from the Bahamas on 7041.  
Right now (0010Z) he is calling CQ with no takers. Here  
is your chance for some DX. He is running a full 5 watts  
and was 569 here in southwest Missouri.

Go get him.....

72 & happy Thanksgiving to all

Dave W0CH  
Seneca, MO

-----  
Date: Thu, 27 Nov 1997 16:57:07 -0800  
From: Jeff Grudin <grudin@pacific.vdbs.com>  
To: qrp-l@Lehigh.EDU  
Subject: [31437] Bahamas QRP  
Message-ID: <347E16E2.136D@vdbs.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

It's 00:38 Just worked K8DD/C6A

What a way to spend Thanksgiving!

Go get him.

--

73 de Jeff AC6KW  
grudin@vdbs.com

-----  
QRP-L #16 Private Practice : Companion Animals and  
Exotics  
Norcal QRP #1292 Ocean Animal Clinic / Cat Clinic of Santa  
Cruz

California

Santa Cruz,

QRP'ers do it with less energy (but lot's of enthusiasm)!

---

-----  
Date: Thu, 27 Nov 1997 18:53:07 -0700  
From: flydnq7x@primenet.com (Floyd Smithberg)  
To: qrp-l@Lehigh.EDU  
Subject: [31438] K8DD/C6 On 7039.42  
Message-ID: <199711271911.MAA24708@smtp01.primenet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hank is on now 0152Z 449 nr Phoenix  
73 Floyd NQ7X Phoenix ScQRPion DM33uq QRP-L 343  
ARRL ARCI G-QRP NORCAL DX WRKD HF=324 SAT=101 QRP=103

-----  
Date: Thu, 27 Nov 1997 21:09:50 -0500 (EST)  
From: NilsBull@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [31439] Re: Seizing the carp of Vertical vs. Dipole (& SLR's)  
Message-ID: <971127210949\_1577923846@mrin38>

Ok, guys . . .

I read the post to which I am only obliquely refering and thought  
"hey-seuss!"

A couple days ago someone hopped one of the listers 'cause he'd written an  
article and not said exactly what the hell he was talking about. Today I find  
another piece of vitreol in the mailbag.

Like I just got back from a Thanksgiving dinner where I probably insulted  
Cindy's sister-in-law again (it's a family ritual any more with me) and we  
both looked at each other later like one of us was a rodent needin' a good  
potato forkin' and I apologized. Then Cindy's brother, Gordon, and I talked  
about how little I see of my oldest son and how some day Gordon's daughter's  
gonna do the same thing to him. We had a lot to be thankful for. . . our  
lives, the lives of those who had made our lives possible, each other, and

the common sense to know that we make mistakes and if we don't at least we can agree that we don't agree . . . without pulling out the electric carvin' knives and doin' a Klingon battle plan on each other's butts.

Damn.

Build before you bitch, indeed. How about takin' the bitchin' down a notch and getting back to this bein' a hobby, not a religion. (As in: If you ain't Muslim, you can't get much past the airport cafeteria in Saudi Arabia, and that only 'cause that part of the world is where the focus of the Hajji is, Mecca, the goal of every Muslim's hope to make the pilgrimage. Non-believers don't even get an ant's chance of gettin' close to the mosque itself, let alone out the airport door. Which means, extrapolated, we can leave this territoriality/seriousness crap on the other side of the screen, can't we?)

Ok, I'm done. Back to the badger polishin'.

73

Nils

WB8IJN &c

. . . for some reason, 30m here is quiet . . . like no buzzin' power lines .  
. . something's wrong here . . . let's see . . . a sledge hammer at the base  
of the pole . . . and then the squirrels will . . . sparks . . . auroral  
stuff . . . lawyers . . . guns . . . money . . . badgers . . . turnips . . .

-----  
Date: Thu, 27 Nov 1997 09:05:57 -0500  
From: "Ron Polityka" <wb3aal@talon.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [31440] Eastern PA QRP Club  
Message-ID: <01bcfb3d\$95817f40\$LocalHost@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi All,

Well so far I have four replies on the EPA QRP Club. I have the following stations;

Jim in Matamoras  
Bill, N3WST in Lititz  
Jim, N3VXI in Hellertown  
Harry, KM3D in Richland

I guess I will wait another week or so just in case anyone is away for the holidays.

So if you live in EPA and you are into QRP let me know if you would like to join us.

73, Good DXing & QRPing  
Ron de WB3AAL

E-mail: wb3aal@talon.net  
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

QRP # 5318	G-QRP # 3031	AK/QRP #309
10-10 # 13173	QRP-L # 1099	

-----  
Date: Thu, 27 Nov 1997 21:18:17 -0500 (EST)  
From: K5BDZ@aol.com  
To: K5BDZ@aol.com, qrp-1@Lehigh.EDU  
Subject: [31441] Verticals w/o radials work!  
Message-ID: <971127211816\_508908752@mrin39>

The following is based on 26 years of ongoing experience and proof:

Ground mounted quarter wave verticals (3 band, 4 band and 5 band commercial types) work without radials and I get them to load with very low or flat SWR!

How? I mount these bottom fed -with 52 ohm coax- on a 24" to 30" pipe driven in the ground 12" to 18" then after attaching mounting brackets to the above ground pipe section I kick a 1 1/2" hole in the ground where the coax attaches, let the vertical slide down the pipe with the coax into the hole, tighten the mounting bolts and operate! I discovered "hole in the ground" technique by tromboning or sliding the vertical up and down the mounting pipe until lowest SWR was realized. NO RADIALS ARE ATTACHED AND I GET LOW OR FLAT SWR @ REASONANCE ON ALL BANDS!

I have used this method in gombo soil in Houston and Dallas, Texas, sandy loam soil in the Texas Panhandle, almost pure sand - with water 5' down- on the Mississippi gulf coast, and other soils in between.

Does it work? Well, in addition to the low SWR -with no tuner- I have worked all over the world with 50 watts or less on SSB as well as won pile ups on CW!

Sure radials may make it better, but can't argue with the success I continue to have.

quarter wave Verticals mounted above ground? Sure they need radials to work.

If I don't have space for radials, I use another trick...a couple of 1 1/2" long ferrite cores (or BIG beads) with a center hole about 1/4" just large enough to slip over my RG58 coax. Then I slide these up and down the coax to form a choke at the proper distance from the antenna to allow my coax shield to be my radial. Downside is that I have to change the location of the ferrite core for each band. Also the vertical is directional favoring the angle between antenna and coax line running to rig. But I get a flat SWR with no tuner. It works and I have had numerous QSO's with it, but just started playing with it last year, so experiment still in progress.

Now don't go telling me these methods won't work. Tell me how and why they do! And for those of you with no real estate or other problems putting up antennas, USE YOUR IMAGINATION and experiment! If I can work Israel 5x8 on 14MHz SSB at noon with a ground mounted vertical with no radials and 50 watts, so can you!!!

By the way, I've submitted this ground mounting experience to QST hints and kinks several times and been ignored each time. Other than Zack, guess they are too burdened with theory to recognize fact based on ACTUAL experience!

Bill, K5BDZ

-----  
Date: Thu, 27 Nov 1997 18:25:59 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: Floyd Smithberg <flydnq7x@primenet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [31442] Re: K8DD/C6 On 7039.42  
Message-ID: <Pine.SUN.3.90.971127182302.28000B-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 27 Nov 1997, Floyd Smithberg wrote:

> Hank is on now 0152Z 449 nr Phoenix

Yep, worked him at 0225z or so. He was still on the same freq and about 559/569 here in Nevada. Got a 579 from him. Bands sound like they might be good for the test this weekend.

Hope to get up the tower tomorrow and change out the rotor.

Was over 50 here today. Bees were out flying! Full of Turkey,



and there are some that might add to that list!

I'm outa here fore Niles gets thold of me....

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Thu, 27 Nov 1997 21:02:15 -0600  
From: "Tim Ahrens" <tahrens@inetport.com>  
To: <NilsBull@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [31443] Re: Tnxgiving and Christmas shopping  
Message-ID: <199711280303.VAA09146@admin.inetport.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

NilsBul rote:

> But I got asked a couple times what I wanted for Christmas. I said "I'll  
give  
> you some web pages to check out."  
>  
> A few of this bunch have been to the SGC page ... wacko  
> Eskimo-Peruvian Liberation Front army or something!" I mean, did you  
check out  
> the metal work on the innards? Or how about them top and bottom covers?

Hmmm, same reaction here... mebbe it's a good thing not till January-June!  
But on the other hand,... (fiddler on the hot tin roof)... It would  
probably be  
a nice addition to go rolling around in my Yukon.. notice the NB button?  
> ...  
> Still, the SGC whatever (2020? 2022? 20-20 vision? I'm having  
hallucinations  
> and you want supervision?) does look pretty nice. ...

> So, how'd the rest of you turkeys fare? Fat unto the point of passing  
out?  
> Bloated to the point of a tottering drunken stupor?

Howz about like a stuffed tick? :-)))))) (multi chins)

>

cu

Tim W5FN

-----  
Date: Thu, 27 Nov 1997 22:05:39 EST  
From: k5zty@juno.com  
To: david.gauding@bbs.galilei.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [31444] Re: Vertical vs. Dipole (& SLR's)  
Message-ID: <19971128.030714.4927.1.k5zty@juno.com>

Hi Dave,

I have read your article carefully. I went back and read it again, and I stand by what I said.

Your SLRs are a good idea except where you go to the trouble of measuring and cutting them for a specific band or frequency. In the article you say that "Any similar flat cable can be substituted. Wire size and spacing are not critical.". If wire size and cable are not critical, then length can not be critical. For length to be critical, you have to consider velocity factor, linear loading and ground capacitance. The formula that you use was designed for approximating an antenna length of wire 1/4 wave above the ground, 14ga wire velocity factor and end capacitance of the loops that attach it to the end insulators. It wouldn't apply to something lying on the ground. A better rule of thumb for a MINIMUM set of ground radials for a portable vertical is make them as long as the vertical is tall and space them at about 20 degrees or 18 radials. The idea is to cover the ground around the base of the vertical with a conductive material so the signal returns to the antenna via a wire rather than the dirt. The longer you make them the more of them you need to cover the ground farther from the base as the spacing gets wider.

In the Ramblings part of your article you talk about the twelve ribbons of six conductor that worked very well on 20 meters. That is very close to 18 wires as long as the vertical is tall. I'll bet that if you would split those twelve sixes into 72 individual wires and space them around the base it would work even better.

72,  
Bill, K5ZTY  
Houston, TX  
k5zty@juno.com

-----  
Date: Thu, 27 Nov 1997 22:06:25 -0500 (EST)  
From: George Gingell <k3tks@u1.abs.net>  
To: QRP List <qrp-l@Lehigh.EDU>  
Subject: [31445] K8DD/C6A Heard but missed :^(  
Message-ID: <Pine.BSI.3.96.971127220108.24110A-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hank, K8DD/C6A was just heard on 7.039 at 0215 UTC. I tried but not quite there, propo went out about then. I did hear K5F0 work him. Chuck was about 319 here and Hank about 439 before I lost him. :^)

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
QRP A.R.C.I. Net Manager and Board of Director Member.  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
Maryland Milliwatt Club QRP Reference Library, (301)572-6789  
Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

-----  
Date: Thu, 27 Nov 1997 22:08:29 -0500 (EST)  
From: K5BDZ@aol.com  
To: K5BDZ@aol.com, qrp-l@Lehigh.EDU  
Subject: [31445] 1/2 wave Verticals w/o radials  
Message-ID: <971127220829\_681478573@mrin85.mail.aol.com>

For those of you who have wondered, those commercial half wave verticals that use no radials, i.e. R4, R5, R7, etc. are explained fairly well in the antenna books if you care to look them up.

Three notes to consider:

1) the roughly 4 foot "radials" near the feed point are insulated from the antenna and connected to the coax feedline shield. These "radials" supply more of a capacitive effect (a la capacitance hat) than they do as a true radial, or other half of the antenna.

2) Inside the black boxes where the coax connects are an impedance matching transformer - antenna impeded to 50 ohm coax - and a balun to "choke" the RF from coming down the feedline.

3) there is a small higher inductance choke from the antenna to coax shield (ground) to minimize static buildup and discharge.

For more indepth study you can read or better yet, buy an old used antenna and take it apart. Diagram it, study it, and ask questions for what you can't find in a book.

Good building!

Bill, K5BDZ

-----  
Date: Thu, 27 Nov 97 22:21:39 EST  
From: Joel Malman <malman@BBN.COM>  
To: qrp-1@Lehigh.EDU  
Cc: wa1qvm@BBN.COM  
Subject: [31446] Hank: K8DD/C6A  
Message-ID: <199711280322.WAA24978@nss4.cc.Lehigh.EDU>

Folks,

I also worked Hank. Sounds like Hank has a pretty good shot at working most all of the USA from C6A land. I suppose he will have a 'Gud DX' contest from C6A.

I'm going to try to work the CQ WW: Single Band, Single Op, QRP, on 15 meters. It will be hard to do QRP, but 15 was open today ... so maybe I will get lucky!

Contest starts: 0000z 11/29, (1900 EST Fri 11/28). Exch: RST + CQ zone.

gl, 72 and tnx hank (QSL in the mail).

/joel wa1qvm wa1qvm@bbn.com (QTH: Concord, Massachusetts)

-----  
Date: Thu, 27 Nov 1997 19:04:06 -0900  
From: "Jim, Nancy, Juliann, Issei" <larsennc@alaska.net>  
To: qrp-1@Lehigh.EDU  
Subject: [31447] AL7FS Fox cancelled for Dec 5 (UTC)  
Message-ID: <347E42B6.2C27@alaska.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I was going to let Chuck, K5F0, announce this change but I get the feeling he may not be available to his email right now.

I will NOT be operating on Dec 5 (UTC) as the Fox as I cannot gain access to the operating station that day. I am still on schedule for Dec 12 (UTC).

Remember, there is still a Fox Hunt on Dec 5 as the state of AL, KS4L, Dec 5, 0200-0400 is still on the schedule. Have fun.

73, Jim, AL7FS

--

Jim Larsen, ex-WA0LPK  
Acupressure Anchorage  
ECKANKAR  
Vision Recumbent  
Anchorage, Alaska

-----  
Date: Thu, 27 Nov 1997 21:29:58 -0600  
From: "Johnson" <johns516@maroon.tc.umn.edu>  
To: <qrp-1@Lehigh.EDU>  
Subject: [31448] I'm the Novice / Tech fox on Sunday  
Message-ID: <347e475d2518033@mhub2.tc.umn.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi. My name is Tim, and I am KB0VRV. I will be the Novice/Tech fox this Sunday night. (December 1 at 0100 -0300 UTC). I start out around 7.140 MHz.

I am 12 years old, and this is my second time as a fox. My code speed is around 8 wpm.

I am very sorry I missed my other scheduled session for tonight (Thursday). We were out of town for Thanksgiving and did not get back in time.

Hope to see you all on Sunday night.

73,

Tim, KB0VRV

-----  
Date: Thu, 27 Nov 1997 23:23:38 -0500  
From: "Kevin F. Glynn" <kfglynn@prodigy.net>  
To: "NJ-QRP" <njqrp@njqrp.org>, "LIQRP" <liqrp@waterw.com>, "QRP-L" <qrp-  
l@Lehigh.EDU>  
Subject: [31449] R5 Vertical at my location  
Message-ID: <199711280423.XAA07742@mail1y-int.prodigy.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi gang,

Just wanted to say one thing about my experience with the Cushcraft R5 vertical.

I live in Brooklyn, NYC where there's probably more people on my block than in some of the towns I've worked around the US and with world with it. The antenna does not cover the entire 20M band here at my location, as their ads indicated. I finally got a straight answer from Ray at Cushcraft sometime in early 96, that they recommend it is at least 25' from other metal objects. That was not indicated in their ads either. Good luck on attached brownstones in Brooklyn. The antenna is probably not nearly high enough, and I think it's coupling to everything nearby. If I can get it 20' higher it'd probably not be a TVI monster in my particular location.

My 40M bent-leg dipole with coax choke, 44' flattop with two 11' legs, has no TVI problems. I am VERY grateful for the neighbor allowing me to go over his roof with half of it. Now granted, apples and oranges, single antenna, no traps, as different as night and day; halfwave center-fed dipole and R5, but I think it's going to come down for now and be replaced with two multi-wire fan dipoles for HF work. It still doesn't come close to matching well on 17M at all.

I've read alot about antennas in the last 3 years, so I'm going to use some of that knowledge to make my new antennas.

Hey, I wish I had acres and acres. I'd put up a vertically polarized delta loop for 20M, 30M and 40M, three half-squares, one large horizontal loop cut for 80M and a couple of inverted-vees. But that's happening here, so I go with what I can fit, and leave those antennas for portable QRP contesting and Field Day.

I also placed a coax choke at the feedpoint of the R5, cut for 14-28 MHz

per ARRL Antenna Book. A 2L Coke bottle happened to fit perfectly as a form. This helped cut the TVI a bit. I believe the only thing in my location that'll work well is horizontally polarized antennas.

72 Kevin N2TO  
Brooklyn, NYC  
kfglynn@prodigy.net

-----  
Date: Fri, 28 Nov 1997 02:05:12 -0500 (EST)  
From: WB7WHI@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [31450] Re: [CW] ZUT The meaning  
Message-ID: <971128020511\_-2007069641@mrin84.mail.aol.com>

In a message dated 97-11-27 22:51:51 EST, you write:

<< >OK I was a Navy Radioman and did not know that about  
>ZUT... I was going to say anything about this thread..

I have a cousin who was a shipboard radioman in the Coast Guard during the early fifties, and he never heard of this ZUT business. I'm beginning to think it's somebody's fantasy! :-)

73--Phil (K1HS) >>

I was a radiomen in the coast guard and am very familiar with ZUT. In the 60's a coast guard vessel would be stationed on a 100 mile grid between hono and san francisco (there were other ocean stations in the pacific and atlantic as well). We kept track of aircraft that were crossing, passing weather and such. Essentially the vessel would sit in center grid for 30 days or so until relieved. It was not a fun job. The ZUT log was kept on station and never left - passed from the radiomen of the on-site boat to the radiomen of the relieving vessel which had the responsibility of updating the log. Essentially it was a mixture (collection) of porno, rudness and general information that only radiomen who had been rolling around at sea for 30 days would be interested in. Once the ocean station patrols had been shut down (replaced by a raft of instruments) that the ZUT log remained in place but I dont know.

Wayne WB7WHI  
Spokane, Wa

-----  
Date: Fri, 28 Nov 1997 01:14:18 -0600 (CST)  
From: W9SUL <pugrad@millcomm.com>  
To: "QRP-L --> Post to list" <QRP-L@Lehigh.EDU>  
Subject: [31451] CQ Zone?  
Message-ID: <Pine.GS0.3.95.971128010330.24657A-1000000@midas.millcomm.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thought about trying the CQ WW DX "event" this weekend (should be a very humbling experience). Got the info and rules from the ARRL home page... under contests. What I don't know is where to find my 'CQ zone' which is part of the exchange. I looked in the front of my (paper) International Callbook, but didn't see anything there. I would appreciate a pointer to where I can find the info... or what mine is (and where you got it).

QTH... Rochester, Minnesota 70 miles south and a little east of  
Minneapolis. Tnx es 72 Dave - W9SUL (grid sq. EN34)

```
*****
*
* 72 / 73 W9SUL Dave Cary Rochester, MN (ex KG0ZT) *
* ARRL VE QRP-L # 979, NorCal # 1714 *
*
* pugrad@millcomm.com *
*
*****
```

-----  
Date: Fri, 28 Nov 1997 07:24:32 +0000  
From: Leon Heller <leon@lfheller.demon.co.uk>  
To: buydens@duke.usask.ca  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [31452] Re: DVM's  
Message-ID: <VSyByBAwGnf0Ewi+@lfheller.demon.co.uk>  
MIME-Version: 1.0

In message <Pine.OSF.3.96.971127171923.17104A-1000000@duke.usask.ca>,  
"Brian.Buydens@usask.ca" <buydens@duke.usask.ca> writes  
>I am continuing to look at various options buying DVMs. I have some  
>questions:  
>  
>1. One of the DVM's I looked at measured capacitance up to 500 uF. Is



> that enough or will I be sorry later.

Mine only goes up to 200 uF. I haven't found it a problem.

>

>2. Most inexpensive multimeters don't measure inductance. Is this  
> feature not useful or is it just too hard to implement?

Mine was quite cheap, and includes inductance (and frequency). I find them more useful than capacitance, although the inductance measurement doesn't go low enough for me. It isn't difficult to implement, I think it uses the same circuitry as the capacitance measurement does.

>

>3. One of the meters offered a PC interface. (It is about \$100 Cdn.  
> more than another one I was looking at.) Is this really useful  
> (ie. enough to warrant the extra price)?

I've never needed this feature.

Leon

--

Leon Heller: [leon@lfheller.demon.co.uk](mailto:leon@lfheller.demon.co.uk) <http://www.lfheller.demon.co.uk>  
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424  
See <http://www.lfheller.demon.co.uk/rcm.htm> for details of a  
low-cost reconfigurable computing module using the XC6216 FPGA

-----  
Date: Fri, 28 Nov 1997 03:42:31 EST  
From: ko7i@juno.com (Donald H Jones)  
To: qrp-l@Lehigh.EDU  
Subject: [31453] Re: Verticals w/o radials work!  
Message-ID: <19971128.013857.3063.0.ko7i@juno.com>

I am going to stick my neck, I am not trying to sow discord with these words, But I have to say I do not completely agree Bill's (K5BDZ) comments on "Verticals w/o radials work!" I think putting in radials are very much worth the effort.

The reason why is best explained by John Devoldere (ON4UN) in his original release of 80 METER DX'ing. John explains why a 1/4 wave

vertical with a poor ground system achieves a low swr . . .

ON4UN writes:

"How Often have you heard the statement, "My antenna works very well because the swr does not rise above 1.5:1 at the band edges?" Nothing is more ridiculous . . . there's NO relation between the SWR of an antenna system and the performance of the system. To the contrary, an antenna system with a lossy feedline or an antenna with large resistive losses (such as a poor earth system on a vertical) will show a flatter swr curve. If your swr curve seems excessively flat, there is good reason to think you've got a lot of loss in the system.

"The radiation resistance of a full-size quarter-wavelength vertical is 36 ohms (half that of a dipole). The feedpoint impedance of the antenna will be the sum of the radiation resistance and the ground LOSS resistance. For a average ground system (10 quarter wavelength radials), you can estimate the radial LOSS to be about 10 ohms. Neglecting the radiator's own resistance (very low) you can come up with a feedpoint impedance of  $36+10 = 46$  ohms, which results in an almost perfect match to a 50 ohm line ( $swr = 50/46 = 1.09:1$  at resonance)." (from pp 2-13&14)

So why do verticals without radials work so well when compared to dipoles and inverted vees? I think it is because most hams are comparing verticals (even the poorly grounded ones) to dipoles that are not true "flat tops" AND 1/2 WAVE HIGH. If you study the take off angles of low height wire antennas (they might as be NVIS ant's) when compared to that of verticals, you will find that it is pretty easy to overtake the performance of a LOW height wire antenna with only a modest improvement to the grounding of a vertical.

So what do I use on 40? A full size quarter wave vertical with twelve 1/4 wave radials. I accept the fact that it is not the perfect antenna, but having that 46 ohm input impedance is very nice. The vertical "as is" is now my only HF antenna.

Finially, to all who are interested in practice antenna systems for the low bands (40 - 160), and/or exotic ones for that matter, I highly recomend you purchase a copy of John's book.

72,

Don Jones K07i

ko7i@juno.com

Stanwood, WA

360-652-0248

QRP-L #963 - NWQRP #435 - NORCAL #2386 - Geratol #1571

-----  
Date: Fri, 28 Nov 1997 14:00:16 +0100

From: Tim\_McFadden@IngramMicro-Europe.com

To: qrp-l@Lehigh.EDU

Subject: [31454] Got sum stuff duh what is it??  
Message-ID: <C125655D.0046F48B.00@imde-migration>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Sorry to take up bandwidth on this one but,...  
I got had a chance to get my hands on some transistors and ICs from a slowly dying computer firm. (couple years ago). My question is where should I look to see if these can be used for some QRP projects. I know that I do have some transistors that have been seen here but the others are big questions marks for me.  
Please respond to Tmcfadden@AOL.Com

Thanks for the help.

Tim McFadden  
DA2TF / KB2RLB  
"Remember, where ever you go....there you are."

-----  
Date: Fri, 28 Nov 1997 08:19:48 -0500  
From: bruce muscolino <w6toy@pop.erols.com>  
To: K5BDZ@aol.com  
Cc: QRP-L@Lehigh.EDU  
Subject: [31455] Re: Verticals w/o radials work!  
Message-ID: <2.2.16.19971128091139.2f97354a@pop.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Verticals without radials? Sure.

Low or flat SWR everywhere you look? Sure.

Work? I don't know.

This comes from an experience I had only 20 years ago so it may not be so valid.

In 1978 my employer sent me to work and live in Holland. Holland, as you all may know is largely recovered land. Land taken back from the sea by dint of hard work and lots of pumping. You may not know that Dutch citizens (and residents) pay a tax each year to keep the water table pumped some amount below the surface, so the land does not revert to its original owner!

Shortly after arriving "in country" I was fortunate enough to buy a used HyGain 14AVT vertical from a departing Raytheon field engineer. Considering MUCH of what I knew about the country I sunk a 4 foot or so pipe in the center of my back garden (yard), mounted the vertical and ran the coax up to the shack.

In the shack I eagerly spun the dial of my TS520 and was rewarded by many exotic sounding signals (Remember, I had lived in California -- any European call sign was exotic to me). I quickly fired up the transmit side and looked at my SWR. 1:1, everywhere -- flat as the Dutch landscape! Wow, I was in fat city; I started calling all those exotic stations. No one, NO ONE, came back.

Puzzling this over in my mind I began to look for answers. One answer I got was your antenna is looking like a 16 foot dummy load. You don't have a ground. Install some radials. But, said I, why should I need radials, the pipe I mounted it on surely is into very wet soil, sea water wet. Then I remembered...

I had been sent to Holland to operate, and watch over, an avionics shop for F-16 flight controls. The mainstay of our shop was a crotchety new Hewlett-Packard Automatic Test Station. The installation spec called for a ground of less than 0.1 ohm at the test station. The facility folks at Fokker Aircraft ( where I was resident) had grumbled mightily at what they had to do to get this quality ground. They had to sink a ground rod about 100 feet into the sandy soil under Schiphol Airport! No wonder my four foot pipe wasn't cutting it.

I went over to the local hardware store and bought some zip cord. I made radial pairs from this for 20, 15, and 10. I ended up with four radials on each band laying on the ground. Suddenly my antenna started acting like an antenna. The SWR curves for each band were actually curves. People started answering my calls.

Will quarter-wave verticals work without radials? Maybe. That's as much as I'll sign up for.

As far as quarter wave verticals mounted way above ground go, I promised myself that after 100 countries on the ground I'd put up something better. Better turned out to be a HyGain 18AVQ. I coincidentally had a pole mounted alongside the chimney of my house. This was a 10 meter pole originally installed to hold a 17 element 2 meter beam used as part of a personal study of the rust rate on cars in West Germany (you can substitute grass growing if you prefer). For reasons I don't want to go into, I took the beam and rotator down, but left the pole. I had the 18AVQ installed on the pole. Again, I ran four radials per band (except on 80). They were definitely elevated. They were also just laying across the roof in most cases.

This antenna added another 60 countries over the next year or so. It worked astonishingly well, except on 80, where the single radial was intent on turning the shack into a very low frequency microwave oven!

Elevated radials work? Without a doubt.

Your mileage may vary. You may be able to get away with no radials on your ground mounted vertical. You may be able to do what a Dutch friend of mine did with a vertical he used on the balcony of his apartment building. He made up a mount from the bottom of a patio table. When he wanted to operate he would carry the vertical out to the balcony and mount it on the base. He used a hectically wound radial system to compensate for the small size of his balcony.

Good luck, and 73,

-----  
Date: Fri, 28 Nov 1997 08:19:44 -0500  
From: bruce muscolino <w6toy@pop.erols.com>  
To: NilsBull@aol.com  
Cc: QRP-L@Lehigh.EDU  
Subject: [31456] Re: Tnxgiving and Christmas shopping  
Message-ID: <2.2.16.19971128091135.223f8ad2@pop.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Nils,

Glad you had a happy thanksgiving! About the SGC price -- remember there is no actual relationship between output power and price at the low end of the specrum.

In 1978 Kenwood introduced the TS120-V, with an asking price of about \$495.00; and followed that up with the TS130-V at about the same price two years later! Also, Yaesu introduced the FT-7 at about the same time with a similar asking price. Granted, the Kenwood was a version of an existing radio minus the big finals, but it sold for the same price as its big brother.

The SGC offers features unavailable in any currently produced QRP radio -- operation on all ham bands, phone and cw, and a general coverage receiver. While I don't have one on my shopping list (I'm terminally cheap) I think the price is probably reasonable in light of what the radio offers and that it comes to your door ready to run.

Oh, one other point in the Kenwood comparison -- I think they came with the

microphone.

73

-----  
Date: Fri, 28 Nov 1997 08:41:08 -0500  
From: "Ken Hanks" <kennfd@ibm.net>  
To: <pugrad@millcomm.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [31457] Re: CQ Zone?  
Message-ID: <01bcfc03\$48634ce0\$4e7e2581@kh>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Dave:

You would be in CQ Zone #4

Zone #5 is call areas 1,2,3 and part of 4 (states bordering Atlantic Ocean)  
Zone #4 is western part of call area 4, all of 5, 8, 9, 0  
Zone #3 is 6 and 7 call areas

GL in contest  
Ken Hanks K1XS@ibm.net

-----  
Date: Fri, 28 Nov 1997 09:36:52 -0500  
From: "JakeCart" <JakeCart@ix.netcom.com>  
To: <QRP-L@Lehigh.EDU>  
Subject: [31458] Question -- What crystal for an 80m Pixie II??  
Message-ID: <199711281436.IAA19075@dfw-ix2.ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hello to the group:

I got a Pixie II from HSC a couple of weeks ago and  
just started working on it. I plan to use it on the KL net so need a  
3686.4 KHz crystal.

Mouser lists Model XT49U microprocessor crystals for 3.6864 MHz. I don't know much about the different sizes of crystals but these are about .516" high by .435" wide by .197" deep and their pin separation is about .2" and they come in 2 load capacitances -- "series" and 20pF (for what that's worth). The price is \$.53 each or \$4.40 for ten.

Can I use this crystal in my 80m Pixie II?? If I can, should I get the "series" one or the 20pF one??

Thanks,

Jake [N4UY]

QRP-L #821, G-QRP #9557, AK/QRP #175, CQrp #46,  
NJ-QRP #74, NorCal#1457, ARCI #9392, FISTS #3450

WAS QRP W/C 47/46 (need HI, NV, and MS)

-----  
Date: Fri, 28 Nov 1997 10:00:56 -0500 (EST)  
From: ARDUJENSKI@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [31459] QRP PROPAGATION CHARTS NOW ONLINE  
Message-ID: <971128100055\_1205947327@mrin53.mail.aol.com>

Jerry Halls (K1FD) HF PREDICTION CHARTS now shows predictions for QRP. The site is:

<http://home.att.net/~jerhall/interpret.html>

Jerry responded to a question I raised earlier about using his curves rated originally just a 1500 watt CW transmitter for QRP. He graciously agreed to add the QRP info to his charts.

\*\*The aqua broken line shows the probable LUF for a 1-watt CW transmitter, and the red broken line shows the LUF for a 1500-W CW transmitter.\*\*

If you get a chance to visit the site you may want to send Jerry a short e-mail note expressing your thanks.....Alan KB7MBI

-----  
Date: Fri, 28 Nov 1997 10:04:05 -0500 (EST)  
From: K5BDZ@aol.com  
To: w6toy@pop.erols.com

Cc: QRP-L@Lehigh.EDU  
Subject: [31460] Re: Verticals w/o radials work!  
Message-ID: <971128100405\_2095365462@mrin45.mail.aol.com>

Bruce

Great post! If it wasn't for our experiences, we'd start each day as new as the day we were born!

Sharing experiences hopefully helps others learn how to trouble shoot a situation and make it work...however well.

I know my posts make me seem like the only bottle on the wall and everyone got a new BB gun for Thanksgiving, but so be it.

Maybe folks will realize an antenna, rig, or any other home built/assembled item doesn't have to be absolutely perfect in order to work and provide hours of fun and excitement.

thanks again

Bill, K5BDZ

-----  
Date: Fri, 28 Nov 1997 10:25:29 -0500  
From: "Ken Hanks" <kennfd@ibm.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [31461] Re: Verticals w/o radials work! (Long)  
Message-ID: <01bcfc11\$dbd145a0\$4e7e2581@kh>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

This has been a very interesting thread on verticals, dipole, radials, etc.

When we discuss antennas, we can calculate radiation resistance, antenna efficiency, plot theoretical radiation patterns. Affordable test equipment exists to verify calculations and adjust the antenna. This list itself is a resource to find people who have "been there, done that, got the t-shirt" in regards to antenna construction, installation, problems and successes.

There is just one area we have not been able to clearly describe, measure, or agree upon, and that is "works" as in "will this work?" "if I do X will the antenna still work?"

In order to know if something (antenna, computer, set of wrenches) will work we need to know what we want it to do. I can load up a 30 foot piece of wire with an earth ground only on 160M. I will be able to work stations 30 miles away. Does this antenna work? Sure it does. Even though the efficiency would probably not even be in the single digits, I still am able to work stations. I wouldn't want to try for DXCC with that antenna.



You can hammer a nail with a Craftsman 1" box wrench (just ask my wife), but I would'nt want to use one to frame a house.

Lots of hams are looking for the antenna that takes up little or no space, increases transmitted signal, reduces unwanted signals, cancels noise, works on all bands, easy to install and cheap.

Just go over to rec.radio.antenna. You would think the G5RV is the ultimate antenna. I am not knocking the G5RV (I used 1 for 2 years) it works.

Reminds me of an ad I saw in QST around 1980. Adjustable length dipole (30-100 feet I think) works on all amatuer bands and even MARS frequencies, no tuner needed, SWR of 1:1 coax fed, in use by the military. Turned out to be a 50 ohm resistor across the feedpoint. It works if your communications needs are local. I wonder how many of these the US government bought.

As with almost everything, you need to understad and accept trade-offs. I purchased an R-7000 last year, fully understanding that the antenna would not be very efficient. For a varity of reasons, I needed a low profile antenna system. I was not prepared for the coupling and detuning problems I had. The antenna worked. I routinely worked europe on 40 CW with less that 3 watts (but no foxes!). However the general tuning problems and narrow bandwidths were not acceptable. I will soon be a 1/4 wave 40M vertical with LOTS of radials.

I would love to have \$10,000 for an extensive antenna system. For now I will just work with what I can fit on my lot. What ever I put up, I know will work, and hopefully better than the resistor dipole. The idea is really to get on the air and make contacts.

Just my ramblings on the day after Thanksgiving.

72,

Ken Hanks K1XS@ibm.net

-----  
Date: Fri, 28 Nov 1997 10:40:21 -0500 (EST)  
From: ARDUJENSKI@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [31462] SAT&SUN KB7MBI FOX  
Message-ID: <971128104021\_852284851@mrin83.mail.aol.com>

Due to poor conditions last weekend there will be double run this week:

SAT NITE: 1600-1800 PST (SUN 0000-0200 UTC)  
FREQ: 7.12 (If not open will go to 7.14)

SUNDAY NITE: 1800-2000 PST (MON 0200-0400 UTC)  
FREQ: 7.12 (If not open will go to 7.145)

FIRST 20 minutes I will give preference to "1"- "4" calls plus AK & HI.

Alan KB7MBI

-----  
Date: Fri, 28 Nov 1997 09:04:49 -0700  
From: "Ron Smith" <resmith@primenet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [31463] Re: Verticals w/o radials work! (Long)  
Message-ID: <01bcfc17\$5aed9be0\$2922a5ce@primenet.com.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks for the information Ken. Found it very truthful and interesting.  
Goes to show the various interpretations of the word "work" between end  
user, sales person, and manufacturer. Been there, done that, don't trust  
the salesperson.

Ron

-----  
Amateur Radio Callsign: KD7VD  
Southwest Idaho  
E-mail: resmith@primenet.com  
QRP-L #1291  
-----

-----Original Message-----

From: Ken Hanks <kennfd@ibm.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Friday, November 28, 1997 8:28 AM  
Subject: Re: Verticals w/o radials work! (Long)

>This has been a very interesting thread on verticals, dipole, radials, etc.  
>  
[cut]

-----  
Date: Fri, 28 Nov 1997 11:09:15 -0500 (EST)  
From: KF4EIB@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [31464] Ten-Tec Keyer  
Message-ID: <971128110915\_542558353@mrin42.mail.aol.com>

Greetings to the group,

I am looking for a used Ten-Tec Keyer Model KR 50 in working condition. OR..... something along those lines. I have a Bencher Paddle that Really needs to be married up with it's own device. I am using a borrowed KR 50 at this time... but I would like to have my own. Price? (Read Cheap) E-mail me and we will see what we can work out. Thanks to all, hope you had a Great Thanksgiving!!  
BTW, I'm still new to QRP and working on the code,( now you see the need for a keyer).

72 / 73  
kf4eib gordon

Radio + QRP = CW (Can't Wait)!!

-----  
Date: Fri, 28 Nov 1997 11:34:08 EST  
From: n4so@juno.com (charles k brown)  
To: qrp-1@Lehigh.EDU  
Subject: [31465] Jerry Hall's Propagation charts  
Message-ID: <19971128.163337.8247.7.n4so@juno.com>

You can email Jerry Hall at his address below:

Saved text file from Jerry Hall

From: Jerry Hall <jerhall@worldnet.att.net>

The complete URL to view one of the 91 charts at my web site is

<http://home.att.net/~jerhall/charts/chart30.html>

This particular page displays a propagation chart for the path from Eastern North America to Western Europe. (The URLs to view the other charts are the same except the numbers for the charts run from 01 through 91.)

10 Meters - G4DUW 28.017 1400 UTC  
ON9DIB 28.011 1500 UTC  
First Europeans for this solar cycle.  
nnnn

Ken Brown, N4SO  
QTH nr Mobile, AL/ EM50tk  
qrp-l #622  
n4so@juno.com

-----  
Date: Fri, 28 Nov 1997 09:47:59 -0800  
From: Brian Kassel <bkassel@dancris.com>  
To: QRP-L <QRP-L@Lehigh.EDU>  
Subject: [31466] Pixie Board & PC materials from Frank Mathews  
Message-ID: <347F03CF.49C8@dancris.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang:

Sorry for the bandwidth, but I wonder if all of the Pixie Kits from Frank Mathews have been shipped?

I have yet to receive mine, and am wondering if the shipment got lost. I don't have Frank's E-MAIL address, so would very much appreciate it someone would kindly send it to me.

Thanks

--  
Brian Kassel W5VB0  
AZ Phoenix ScQRPions

-----  
Date: Fri, 28 Nov 1997 12:01:59 EST

From: ko7i@juno.com (Donald H Jones)  
To: qrp-l@Lehigh.EDU  
Subject: [31467] ON4UN's LOW BAND DX'ing book  
Message-ID: <19971128.095845.8031.0.ko7i@juno.com>

Sorry Paul (and group) for the oversight,  
John Devoldere, ON4UN, wrote a book in the late 70's titled 80 Meter  
DX'ing. John has since re-released a updated version of the same book  
titled LOW BAND DX'ing. It expands the focus to include 40, 80, & 160  
all in one book. John goes into great depth discussing antenna systems  
and I highly recomend you-all purchase one and/or both of these books.  
73,  
Don Jones K07i  
ko7i@juno.com  
Stanwood, WA  
360-652-0248  
QRP-L #963 - NWQRP #435 - NORCAL #2386 - Geratol #1571

On Thu, 27 Nov 1997 20:07:03 -0500 Paul Helbert <phelbert@rica.net>  
writes:

>Hi Don,  
>  
>You wrote: "...a copy of John's book."  
>Could you please pass along more bibliographical information? Where,  
>when and by whom published?  
>  
>Thanks,  
>  
>Paul, Wv3j  
>  
>

-----  
Date: Fri, 28 Nov 1997 09:14:02 -0800  
From: Vic Rosenthal <rakefet@rakefet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [31468] Re: Verticals w/o radials work!  
Message-ID: <347EFBDA.1F8CCB0E@rakefet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

K5BDZ@aol.com wrote:  
>  
> NO RADIALS ARE ATTACHED AND I GET LOW OR  
> FLAT SWR @ REASONANCE ON ALL BANDS!

> I have used this method in gombo soil in Houston and Dallas, Texas, sandy  
> loam soil in the Texas Panhandle, almost pure sand - with water 5' down- on  
> the Mississippi gulf coast, and other soils in between.  
> Does it work? Well, in addition to the low SWR -with no tuner- I have worked  
> all over the world with 50 watts or less on SSB as well as won pile ups on  
> CW!

A couple of points. First of all, low SWR doesn't mean high efficiency. Actually, a flat SWR over a wide frequency range often indicates low efficiency (a resistor has a lovely flat SWR characteristic). Sliding the antenna up and down the pipe to get resonance indicates that the pipe is acting as a counterpoise. Radials would be a counterpoise too, a better one. By the way, Dallas has great, very conductive soil. The guys at the NORTEX club told me they never bother with radials.

The commercial antennas with 'no radials' do have a portion of the antenna that acts as a counterpoise -- it's just not in the form of wire radials. Same goes for the coax with the ferrite beads. The antenna is 'directional' in the direction of the coax because it's displaying a loss in the other directions.

The fact is that a ground-mounted vertical's efficiency depends on the ratio between the radiation resistance and ground-system resistance. Radials are just another way of getting a lower-resistance ground system. Salt water is even better. Elevated verticals are another story -- in this case, you MUST have a resonant system, either 1/4 wavelength radials (or other form of counterpoise) or shortened, loaded radials.

> Now don't go telling me these methods won't work. Tell me how and why they  
> do!

They work because either you have excellent ground conductivity, you are actually creating a (suboptimal) counterpoise, you are accepting poor efficiency, or all of the above.

Vic K2VCO

-----  
Date: Fri, 28 Nov 1997 10:24:56 -0700  
From: "Alyn Backe" <ve6bpr@cnnnet.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [31469] Pixie II  
Message-ID: <17162563002305@cnnnet.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Greetings!

Anyone know of a web site where I can information on a QRP kit called the Pixie II?

I'd like to find a schematic, parts list, pc board layout etc., if available.

Thanks to all,  
Best 72, AL, VE6BPR...sk

Norcal #2315 QRP-L #1144  
ve6bpr@cnnnet.com

-----  
Date: Fri, 28 Nov 1997 10:47:36 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-l@Lehigh.EDU, cqclist@lists.csn.net  
Subject: [31470] Mystery Explained  
Message-ID: <199711281747.KAA10560@bobcat.sni.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Last night I was getting nowhere on 40M, switched to 80 and had a great chat with K0EVZ in Rochester, MN, who told me it was 40 degrees and cloudy there and I told him it was sleeting and 32F here.

Tried to go back to 40M but had an unacceptably high SWR, so I gave it up and came upstairs to discover that it was now snowing, and the obvious reason for the high SWR on 40M was that the 40M counterpoise on the GAP Titan was coated with enough ice and snow to bend it down severely and even bury part of the loop under snow on top of the trellis!

Photo, if you're interested, at <http://xanadu.chisp.net/users/n1fn/> (bottom of the page).

73  
Marshall Emm

N1FN/VK5FN  
n1fn@mtechnologies.com  
Milestone Technologies  
Software, kits, tools...  
<http://www.mtechnologies.com/mthome>  
(303)752-3382  
--

-----  
Date: Fri, 28 Nov 1997 11:08:40 -0700  
From: "Steve Hurst" <shurst@magiclink.com>  
To: <K5BDZ@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [31471] Re: Verticals w/o radials work!  
Message-ID: <199711281807.NAA48074@nss4.cc.Lehigh.EDU>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Gang,

I've worked , what ? 4 or 5 foxes using a ground mounted vertical, w/o any radials. Have used this antenna since 1983 ( Hy-Gain 18AVT) never with any radials. I'm not saying radials wouldn't improve the performance of the thing, just saying it works as is ! Have worked many DX stations with it as well, over the years. Am I going to put radials on it ( now that I have ten acres ) YES !! If it works this good without , I can't wait to try it with !!! Just my 2 bits worth , for what its worth !! Hope everybody had enough to eat yesterday, I sure did !!! Hey , my fridg is full of food, and guess what ? I'm hungry again !!!!! Bye..... :-)

73,  
Steve Hurst  
KA7NOC ( southern Idaho )  
<http://www.magiclink.com/web/shurst>  
shurst@magiclink.com

-----  
Date: Fri, 28 Nov 1997 11:54:14 -0600  
From: Larry Cruise <larry.cruise@mci.com>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>



Subject: [31472] Help Wanted: Vertical antenna experts  
Message-ID: <01BCFBF4.BB8CF360@dpenrose.mci.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

OK guys I know your out there I have been following your post the last =  
several days. Nows the time to show your stuff. :-) I need a real expert =  
to help me understand the operation of the Sommer T-25 vertical antenna. =  
Go over to:

<http://www.sommerantennas.com/tcs25.html> =20

=20

and check out the ad hype, I mean specs. :-) Share you thoughts on this =  
antenna with the group.

Thanks,  
Larry (AA5TA)

-----  
Date: Fri, 28 Nov 1997 11:19:01 -0700  
From: "Steve Hurst" <shurst@magiclink.com>  
To: <kennfd@ibm.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [31473] Re: Verticals w/o radials work! (Long)  
Message-ID: <199711281817.NAA169720@nss4.cc.Lehigh.EDU>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Ken,

WOW, has your wife graduated to the Craftsman 1" box wrench for hammering  
? Mine is still using butter Knives for such things !!!!! They need to talk  
!! :-)

-----Ken wrote, in part>...-----

>  
> You can hammer a nail with a Craftsman 1" box wrench (just ask my wife),  
but  
> I would'nt want to use one to frame a house.  
>  
>  
> 72,  
> Ken Hanks K1XS@ibm.net

-----

73,  
Steve Hurst  
KA7NOC ( southern Idaho )  
<http://www.magiclink.com/web/shurst>  
[shurst@magiclink.com](mailto:shurst@magiclink.com)

-----

Date: Fri, 28 Nov 1997 11:39:57 -0700  
From: Doug <doug@sunrise.alpinet.net>  
To: rut@mcrut.mv.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [31474] Re: SGC SG-2020  
Message-ID: <347F0FFC.5A17CCB5@alpinet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi from the Northern Rockies.....The more I hear of the SGC 2020, the less inclined I am to consider buying one. I've seen predatory attitudes before on the part of manufacturers, but this bunch takes the cake. Whether they play to the Commercial market or not, I find it difficult to justify the "stick it to 'em" position I've seen displayed by SGC ever since Bruce Franklin packed it all in and hooked up with them. I hope for QRP'ers that they put out a quality piece of gear, but at a kilobuck per unit.....I think I'll pass.

72, 73

Doug, K7YD

Phillip S. Rutledge wrote:

> Hello all,  
>  
> Just got off the horn with SGC and got the straight scoop on the "non  
> retrofitability" business where describing the optional battery pack etc. It  
> seems there will be a "field" version of the 2020 offered somewhere down the  
> road which will be configured to accept the battery pack and front panel  
> cover. Thus, the "standard" version will not do so. This is not to say that  
> the battery pack won't work with it, it just won't be attachable in the same  
> manner, nor will the front panel cover work at all on the std. model. The  
> good news is that the radio itself (i.e. inner workings) will be exactly the

> same. I might add, the price for this new "field" version complete with the  
> two items in question is expected to be over \$1,000.00. Incidentally, this  
> "field" version is being created mainly for the commercial market in Europe.  
> (non-ham related communications) While I had him on the phone, I also  
> voiced the many complaints about the lack of a microphone for the \$595.00  
> price, and he (Bob Gregg) agreed. It seems his recommendations to include  
> same fell upon deaf ears within the organization. Being as how they have a  
> "commercial" mentality, they don't know just how the parsimonious mind of the  
> average amateur works. :-) His understanding was that the price would be  
> \$29.95 and was surprised to hear I was quoted \$49.95 from Universal. I said  
> at that price I'd be better off picking up a used Kenwood mic at a flea market.  
>  
> Initial shipments are still set for latter January. (maybe...) hi  
>  
> 73-- Phil (K1HS)  
> =====  
> Phil Rutledge--K1HS-- rut@mcrut.mv.com  
>  
> ARCI#9265=Norcal#1797=QRP-L#820= CQC# 385=FISTS# 3317  
> =====

-----  
Date: Fri, 28 Nov 1997 11:48:24 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: cqclist@lists.csn.net, qrp-l@Lehigh.EDU  
Subject: [31475] Mush Puppies Serve Notice  
Message-ID: <199711281848.LAA15233@bobcat.sni.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

The Great Colorado Snowshoe Run (TM) on 12/13/97 is going to be a lot  
of fun-- here are some of the things that are going to make it  
really interesting:

It's only 2 hours long, you can work the same station more than  
once, it's on 40M only, and there are three "co-equal" antenna  
classes. Check the web site for full details (which I'll repost  
here presently)-- <http://www.mtechnologies.com/mthome/cqc.htm>  
has a link below the button panel.

But in case that's not enough to get you drooling, THERE WILL ALSO BE  
A SLED TEAMS COMPETITION.

Sled Teams consisting of two or more operators (e.g. a Sled Driver and at least one Sled Dog) will compete with each other in a "side event." All you have to do is get an e-mail to me BEFORE the event identifying:

1. Sled Team Name
2. Sled Team Driver
2. Sled Team Members

That's all there is to it. Sled Team members will submit logs normally, but once all the logs are in I'll dissect them and determine the winning Sled Team based on the average score of the Sled Team Members. Appropriate certificates and/or PRIZES will be awarded to at least the top three Sled Teams.

Now here's the "service of notice" mentioned in the subject:

"The Mush Puppies" Sled Team is going to take names and kick butts. We're serious. If you think you and your warm-weather cronies can beat us, feel free to try! We Mush Puppies are (not entirely co-incidentally) the four officers of CQC, with myself as Sled Driver, Prez. W0HEP as Lead Dog, and Secretary AB0CD and Treasurer WB0JNR as Huskies. We will carry no passengers, and we will take no prisoners.

Up to the challenge? Seems to me there are a few Doghouse Denizens, Desert Insects, and assorted other animal life-forms out there who ought to pick up the gauntlet. Unless of course you'd rather stay warm and cozy in your little snow-caves rather than getting out and running with us where the air is cold and thin and men are men, dogs are dogs, and snow is snow until it melts.

73

Marshall Emm

N1FN/VK5FN

n1fn@mtechnologies.com

Milestone Technologies

Software, kits, tools...

<http://www.mtechnologies.com/mthome>

(303)752-3382

--

-----  
Date: Fri, 28 Nov 1997 11:49:17 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: cqclist@lists.csn.net, qrp-1@Lehigh.EDU  
Subject: [31476] Mush Puppies Serve Notice  
Message-ID: <199711281848.LAA15323@bobcat.sni.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

The Great Colorado Snowshoe Run (TM) on 12/13/97 is going to be a lot of fun-- here are some of the things that are going to make it really interesting:

It's only 2 hours long, you can work the same station more than once, it's on 40M only, and there are three "co-equal" antenna classes. Check the web site for full details (which I'll repost here presently)-- <http://www.mtechnologies.com/mthome/cqc.htm> has a link below the button panel.

But in case that's not enough to get you drooling, THERE WILL ALSO BE A SLED TEAMS COMPETITION.

Sled Teams consisting of two or more operators (e.g. a Sled Driver and at least one Sled Dog) will compete with each other in a "side event." All you have to do is get an e-mail to me BEFORE the event identifying:

1. Sled Team Name
2. Sled Team Driver
2. Sled Team Members

That's all there is to it. Sled Team members will submit logs normally, but once all the logs are in I'll go through them and determine the winning Sled Team based on the average score of the Sled Team Members. Appropriate certificates and/or PRIZES will be awarded to at least the top three Sled Teams.

Now here's the "service of notice" mentioned in the subject:

"The Mush Puppies" Sled Team is going to take names and kick butts. We're serious. If you think you and your warm-weather cronies can beat us, feel free to try! We Mush Puppies are the four officers of CQC, with myself as Sled Driver, Prez. WOHEP as Lead Dog, and Secretary AB0CD and Treasurer WBOJNR as Huskies. We will carry no passengers, and we will take no prisoners.

Up to the challenge? Seems to me there are a few Doghouse Denizens, Desert Insects, and assorted other animal life-forms out there who ought to pick up the gauntlet. Unless of course you'd rather stay warm and cozy in your little snow-caves. Come on out and run with us where the air is free but cold and thin; where men are men, dogs are dogs, and snow is snow until it melts.

73

Marshall Emm

N1FN/VK5FN

n1fn@mtechnologies.com

Milestone Technologies

Software, kits, tools...

<http://www.mtechnologies.com/mthome>

(303)752-3382

--

-----  
Date: Fri, 28 Nov 1997 11:35:25 -0800

From: W7LS <w7ls@blarg.net>

To: qrp-l@Lehigh.EDU

Subject: [31477] Prop. program wanted that gives uV, power, etc.

Message-ID: <347F1CFD.1EF5@blarg.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi, gang.

I'm looking for a program that will give predicted signal strengths at the receiving end, based on transmitter power, antenna gain in a particular direction (or similar input variables that would translate to what I just said), receiving-end antenna gain in a particular direction (previous qualifications, again), solar flux, and Solar A values. Is there such a thing?

I'm not looking for a program that tells me when the band opens up. I'm looking for lots of numerical data. Don't need any graphs, either. Any help is appreciated. 73 de Jim, W7LS

-----  
Date: Fri, 28 Nov 1997 14:42:23 -0500 (EST)

From: n4js@pobox.com  
To: ARDUJENSKI@aol.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [31478] RE: QRP PROPAGATION CHARTS NOW ONLINE  
Message-ID: <XFMail.971128144223.n4js@pobox.com>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 8bit  
MIME-Version: 1.0

On 28-Nov-97 ARDUJENSKI@aol.com typed:  
>Jerry Halls (K1FD) HF PREDICTION CHARTS now shows predictions for QRP. The  
>site is:  
>  
><http://home.att.net/~jerhall/interpret.html>  
>

Went to the above, which is a VERY good explanation of how to use the charts,  
but when I click on the "charts" link, I get "not found."

Sent at 14:42:23 on 28-Nov-97

John L. Sielke n4js@amsat.org n4js@pobox.com  
n4js@qsl.net NJ Grid:FM29LN  
<http://www.qsl.net/n4js> NJ-QRP #57 QRP-L #884  
QRP-ARCI CQC #443 CQrp #50 AKQrp ARQrp  
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243

-----  
Date: Fri, 28 Nov 1997 14:56:24 -0500  
From: Ed Tanton <n4xy@bellsouth.net>  
To: QRP-L Reflector <qrp-l@Lehigh.EDU>  
Subject: [31479] B&W BWDS 1.8-30 Folded Dipole Antenna Going Up (LONG)  
Message-ID: <3.0.1.32.19971128145624.00aad430@mail.atl.bellsouth.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi All... Well I finally ordered and just received a B&W BWDS 1.8-30 Folded Dipole. I had one in the mid 80's and was surprised then at how really well it got out for a moderate height dipole. Beat the living daylights out of my G5RV (actually the G5RVs came later-but I remember how it worked pretty well.) Only thing was: I was into \*\* BOTH \*\* QRO and RTTY at the time. Those factors and this antenna do not mix well-as the charred remnant of the center loading-what-ever-it-is testified!

That was another thing: I get queasy feelings about loading-what-ever-they-ares, center, end, wherever. B&W \*\* DID \*\* replace

the loading thing once, with the caveat that it was also the last time for free... and eventually I decided to go to G5RVs... which WAY up in the air worked pretty well-and didn't have a loading-thingey. Trouble is, here, NO MATTER WHAT you cannot put an antenna past about 35 feet. I think its a ridge line, and when the thunderstorms crackle and blow, sooner or later, a whiplash occurs and the trees go out in opposite directions... results: snapped #12 stranded steel guy wire, or #14 copperweld antenna. Not just once, but many times. And yes, I tried all the usual remedies, including weights that could move up and down. I think this happens so fast, that they have no chance to really compensate.

Only remedy was to put the G5RV at ~35 feet... which really did not get out very well at all. Amazing what a 10 foot height difference will make in such things.

So, for several years now, I have been saying I needed to do something!!! about that antenna. Also, my G5RV doesn't work worth a darn on 30M. I was browsing through AES's online catalog a while back, and there was my old B&W again... and what was more, there was now a stainless-steel version. Hm-m-m... the gears clicked, the memories surfaced, and so I finally ordered one the other day. Came in today. Very nice on-line-ordered, with QUICK delivery. Kudoes to AES.

This being a relatively obscure antenna, here is its description: it is a 90 foot folded dipole with 18 inch spacing. In the center of the top wire there is a mysterious loading something-or-other that when sufficiently charred looks more like burnt resistor than anything else... I truly don't remember what else was there... I was more impressed with its burst-open condition than anything else-it WAS impressive, and must have LOOKED very entertaining when it went. Anyway, THIS version uses ~1" PVC pipe for the spacers, and comes with a balun as well. The power rating is 1000W CW ICAS, or 2000W PEP (tx input). Since I'm not really doing much beyond 90W very often, that just does not matter-although you can believe that in the rare and unlikely event I do fire up the Alpha 78, it'll be for 1000.0W out and no more.

The stainless steel is interesting. The regular version is (I think) \$180, while the SS version is \$250. I had some thoughts about higher radiation resistance / broader bandedness with steel wire vs copper. Don't know. Yet. Their claim is less than 1.4 : 1 mostly everywhere from 1.8-30 MHz. The old B&W antenna had an SWR chart with it that showed something like that. And performed similar to that... more like 1.7:1 with one band, somewhere at 2.1:1... but that's OK. This one does not have such a chart with it... and the address for THIS B&W is somewhere in FL. ... News to me. No warranty card with this one-although there was a warranty statement in the 2 page 'manual'.

It IS a neat antenna... even just to look at. In the air it is impressive!





Date: Fri, 28 Nov 97 15:40:54 EST  
From: Joel Malman <malman@BBN.COM>  
To: qrp-l@Lehigh.EDU  
Cc: malman@BBN.COM  
Subject: [31481] Zack in Hawaii  
Message-ID: <199711282040.PAA117806@nss4.cc.Lehigh.EDU>

I have heard Zack (W1VT/KH6) on and off today (21061.6 and 21058.4). He seems to be mostly working W6 stations. Did anyone in the W1 call area manage to work him? Of course, at 0000z tonight (CW 'test time) everything changes ...

/joel wa1qvm wa1qvm@bbn.com (QTH: Concord, Massachusetts)

-----  
Date: Fri, 28 Nov 1997 20:46:06 GMT  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: k3tks@u1.abs.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [31482] Re: K8DD/C6A Heard but missed :^(  
Message-ID: <199711282046.UAA08627@chuck.dallas.sgi.com>

Danny et.al.,

I'm sorry but you did not hear K5F0 work Hank, K8DD/C6A. :-)

I was in rainy Cancun all week and just got back. No rig and no radio to be seen anywhere.

It may have sounded like K5F0, but it wasn't.

I saw more rain in one week than I ever want to see again. Did not see the sun at all. Nada. Get back home and it's rainy and thunderboomers overnight. ....

But I did make it through three code courses, a SPICE book, and upped the RUFZ score. Glad to see that the SF is around 110 and climbing. I'm getting on the air. 2,000 emails took half a day and still working on a couple of replies.....

Review of OHR100a to follow by midnight. It is done and working beautifully.

dit dit  
Chuck Adams K5F0 CP-60 adams@sgi.com

<http://reality.sgi.com/adams/index.html>

-----  
Date: Fri, 28 Nov 1997 15:02:42 -0600 (CST)  
From: W9SUL <pugrad@millcomm.com>  
To: "QRP-L --> Post to list" <QRP-L@Lehigh.EDU>  
Subject: [31483] Tnx for info on "CQ Zone"  
Message-ID: <Pine.GS0.3.95.971128144957.20729A-100000@midas.millcomm.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Boy... "ask and you shall recieve"... should be the motto of the QRPlistserv. Started getting responses to my request for help in determining my CQ Zone within 5 minutes of the posting. Too many folks to thank individually... so here's a "group" thank you to all.

Also appreciated the suggestions on maps, operator's manuals, etc. for valuable additions to my shack & library.

See you on the bands... Tnx es 72 Dave - W9SUL

```
*****
*
* 72 / 73 W9SUL Dave Cary Rochester, MN (ex KG0ZT) *
* ARRL VE QRP-L # 979, NorCal # 1714 *
*
* pugrad@millcomm.com *
*
*****
```

-----  
Date: Fri, 28 Nov 1997 16:10:37 -0500 (EST)  
From: ARDUJENSKI@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [31484] PROPAGATION CHART SITE CORRECTION  
Message-ID: <971128161036\_328551786@mrin44.mail.aol.com>

The site address allows you to got to the chart explanation but not to to the charts themselves for some reason. Use the following to get to the general site address:

<http://home.att.net/~jerhall/>

-----

This is a multi-part message in MIME format.

KH6/W1VT is rolling into Southern California on 21.05954 at 2110UTC. =  
Give him a call ORP. =20

```
-----=_NextPart_000_0019_01BCFBFF.BF8DBA20
Content-Type: text/html;
    charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
```

[illegible]

<DIV><FONT size=3D2>ARCI 8067, NWQRP 213, G-QRP 7918, QRP-L 1332,=20  
AKQRP</FONT></DIV></BODY></HTML>

-----=\_NextPart\_000\_0019\_01BCFBFF.BF8DBA20--

-----  
Date: Fri, 28 Nov 1997 16:30:34 -0500 (EST)  
From: K5BDZ@aol.com  
To: n4xy@bellsouth.net, qrp-l@Lehigh.EDU  
Subject: [31486] Bottle on fence & BB gun  
Message-ID: <971128163034\_983304395@mrin45.mail.aol.com>

Well folks  
With the verticle w/o radials comments, I once again am the only bottle on  
the fence and I know many of you got BB guns for Thanksgiving.....  
So fire away!  
Bill, K5BDZ

-----  
Date: Fri, 28 Nov 1997 16:30:42 -0500 (EST)  
From: ARDUJENSKI@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [31487] DON'T HIT \*FORWARD\*  
Message-ID: <971128163042\_289738225@mrin46.mail.aol.com>

AOL USERS IN THE GROUP,  
Those of you who have AOL a word to the wise. If you get a message you want  
to forward to the group DON'T HIT THE FORWARD KEY! Been there, seen it, done  
it! It will send the message on but as an attached FILE. Attached files  
create problems for some folks if you haven't surmised already. Take it from  
a graduate of the school of hard knocks.

.Alan KB7MBI

-----  
Date: Fri, 28 Nov 1997 15:23:13 -0600  
From: Larry Cruise <larry.cruise@MCI.Com>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>  
Subject: [31488] RE: Prop. program wanted that gives uV, power, etc.  
Message-ID: <01BCFC11.8FD86B60@dpnrose.mci.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

>>>I'm looking for a program that will give predicted signal strengths. . .<<<

CAPMan will give you what you want and much more Jim. It uses the IonCap engine that is the standard of comparsion for all prop programs.

<http://ourworld.compuserve.com/homepages/KU5S>

-72 Larry (AA5TA)

-----  
Date: Fri, 28 Nov 1997 13:45:06 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: "Rattray, Bruce" <Rattray@siast.sk.ca>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [31489] Re: Billy Lunt question  
Message-ID: <Pine.SUN.3.90.971128134232.29299A-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 28 Nov 1997, Rattray, Bruce wrote:

> does Billy Lunt of the ARRL Contest section answer e-mail?...I've  
> e-mailed him twice now with no reply...last time was about my qrp ssb  
> Sweepstakes log...maybe he's a landline feller...72 - Bruce (VE5RC)  
> e-mail: rattray@siast.sk.ca

Hi Bruce,

I have exchanged e-mails with Billy on a number of occasions.

He might be very busy with all the SS logs!

Best to call him early in the AM if you need a quick answare.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....

....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Fri, 28 Nov 1997 15:50:05 -0600  
From: n5inz@juno.com (John M Andrews)  
To: doug@sunrise.alpinet.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [31490] Re: SGC SG-2020  
Message-ID: <19971128.155006.3414.14.N5INZ@juno.com>

Hi Doug and all:

I'm not in a rush either but for other reasons.

I like homemade gear(I'm including kits) and sitting on my wallet until I hear from Wayne and company about the new K-2. He \*wants\* to hear from me about his designs and products.

He wants to hear from anyone with sound ideas or features to be included in the next product. A novel concept these days.

72, John-N5INZ

-----

Date: Fri, 28 Nov 1997 23:56:41 -0800  
From: vllario@eic.ictnet.es (Vicenc Llario i Zarzoso)  
To: qrp-l@Lehigh.EDU  
Subject: [31491] OHR Classic Schematics and parts list/OHR 100A  
Message-ID: <347FCAB9.7BA6@eic.ictnet.es>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi gang

I am looking for the schematics and parts list for the OHR Classic transceiver (not the full construction leaflet). Can anybody help me? I would pay copies and send a couple of IRC's to cover postage to Barcelona. Does anybody know if the brand new OHR 100A uses a passive mixer (SBL-1, TUF-1 etc) or the classic NE602? Thanks in advance for reading my message and for your help. Please do not reply through the list but directly to my E-mail. Thanks again and best 72

Vicens, EA3ADV QRP

EA-QRP # 4  
G-QRP # 7384  
ARCI # 8454

-----  
Date: Fri, 28 Nov 1997 17:06:43 -0500 (EST)  
From: fmathews@norfolk.infi.net (Frank Matthews)  
To: bkassel@dancris.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [31492] Re: Pixie Board & PC materials from Frank Mathews  
Message-ID: <v01530500b0a4a871c835@[208.131.169.224]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Brian,

I usually sent out the orders within 24 hours of receipt. I received yours today (Friday) about 2pm and it was at the post office by 3pm (within an hour!). Upon seeing your post I wondered why you seemed as though you had been waiting a long time.....so.....I pulled your envelope and there it was.....a postmark of what appears to be November 8. Wonder why it took so long.....upon further examination I saw where the zip code and "upc code" had been scratched through and corrected. You had written the zip code as 22321 instead of 23321.

Be assured yours is on the way and should be in Arizona probably by Wednesday. Sorry you had problems.

Frank

Frank Matthews  
Technology Education Department  
Oscar F. Smith High School  
Chesapeake, VA 23320  
fmathews@norfolk.infi.net  
KC4FKX      QRP-L #1079    CQC #434    NorCal #2232    AK/QRP #199  
Grid Square FM16

-----



Date: Fri, 28 Nov 1997 22:42:25 GMT  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-1@Lehigh.EDU  
Subject: [31493] Sunspots  
Message-ID: <199711282242.WAA09139@chuck.dallas.sgi.com>

IV. PENTICTON 10.7 CM FLUX  
OBSERVED                28 NOV 116  
PREDICTED    29 NOV-01 DEC 120/125/125

Now that is a good number and getting better.  
Some change of another major flare for region 8113.

FYI  
Chuck Adams   K5FO CP-60 adams@sgi.com  
<http://reality.sgi.com/adams/index.html>

-----  
Date: Fri, 28 Nov 1997 17:42:56 EST  
From: kt3a@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [31494] HB: Marlin P Jones?  
Message-ID: <19971128.173923.5415.1.kt3a@juno.com>

I just got a catalog from an outfit called Marlin P. Jones in Lake Park, FL.  
It looks like a neat place for the homebrew guy. Can anyone recommend them as a good place to deal with?

Cameron C.R. Bailey <><  
Amateur Radio, KT3A  
kt3a@juno.com  
Mount Wolf, Pennsylvania

-----  
Date: Fri, 28 Nov 1997 17:42:56 EST  
From: kt3a@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [31495] Solar Flare - The novel  
Message-ID: <19971128.173923.5415.0.kt3a@juno.com>

I just saw an ad for a novel by Larry Burkett, who used to work for NASA. The ad gives the indication

that electricity is lost due to a huge solar flare.  
The book is titled, "Solar Flare".  
Has anyone read this book, and how much damage  
could a flare really do? I have read about the effects of EMP  
(Electromagnetic Pulse) explosions which could zap solid state devices.  
I would think that HF would be wiped out even if we  
had battery backup. What about close in ground wave?  
I guess I have to dig out the old FEMA courses again.

Cameron C.R. Bailey <><  
Amateur Radio, KT3A  
kt3a@juno.com  
Mount Wolf, Pennsylvania

-----  
Date: Fri, 28 Nov 1997 18:37:50 +0000  
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>  
To: Tim\_McFadden@ingrammicro-europe.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [31496] Re: Got sum stuff duh what is it??  
Message-ID: <neID7HA+9wf0Ew1Y@gqrpclub.demon.co.uk>  
MIME-Version: 1.0

In message <C125655D.0046F48B.00@imde-migration>,  
Tim\_McFadden@IngramMicro-Europe.com writes

>  
>Sorry to take up bandwidth on this one but,...  
>I got had a chance to get my hands on some transistors and ICs from a  
>slowly dying computer firm. (couple years ago). My question is where  
>should I look to see if these can be used for some QRP projects.  
>I know that I do have some transistors that have been seen here but  
>the others are big questions marks for me.  
>Please respond to Tmcfadden@AOL.Com  
>  
>Thanks for the help.  
>  
>Tim McFadden  
>DA2TF / KB2RLB  
>"Remember, where ever you go....there you are."  
>  
>  
>

I do have some database info on ICs and Trs. Let me know what you need  
and I may possibly be able to help.

--

Frank G3YCC GQRP 042  
QRP Web Page: <http://www.gqrpclub.demon.co.uk>  
Packet: G3YCC@GB7HUL

-----  
Date: Fri, 28 Nov 1997 17:59:55 -0500  
From: "HB Electronics (Bob Berlyn)" <hb\_elec@ids.net>  
To: qrp-L@Lehigh.EDU  
Subject: [31497] Re: 2N4372 ?  
Message-ID: <3.0.1.32.19971128175955.0069f21c@mail.ids.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 08:36 AM 11/27/97 -0500, you wrote:

>Does anyone have a listing for this device? Current  
>rating?  
>2N4372  
>Thanks, 73,  
>Bob WB2DHK in Jersey City, NJ  
>  
>  
Bob ans all,

the 2N4372 is a SCR. I have not been able to find the data sheets yet, but  
Ill keep looking.

Hope this helps,

Bob N1PWU    QRP-L#161    East Greenwich, RI

-----  
HB Electronics  
E-Mail: hb\_elec@ids.net  
On The Web: <[http://users.ids.net/~hb\\_elec/](http://users.ids.net/~hb_elec/)>

-----  
Date: Fri, 28 Nov 1997 18:26:47 -0500 (EST)  
From: MNHopkins@aol.com  
To: QRP-L@Lehigh.EDU  
Cc: kevin.reeves@juno.com, kbritain@johnstontech.com  
Subject: [31498] Jones Super Gainer -- sighted again.  
Message-ID: <971128182647\_-1960722228@mrin53.mail.aol.com>

Now that KD1JV, Steve, has actually brought one back to life, its time to restate what Frank Jones was after, and why, when he gave us the first one back in the 5M days of 1935.

Frank, W6AJF, was after the benefits of the superheterodyne scheme with out any of its complications. He wrote the book "The Radio Newcomer," recently available in reprint here, "Five Meter Radiotelephony," and was also the Editor of the West Coast Handbook (I am gathering an annotated bib on Frank Jones). Since he was writing to get more people on the air, he wanted simple circuits. Some are remarkably so like a-one tube 5M transceiver (56-60 mc) from a 1934 Popular Science and the 5M Radiotelephony book. His readers often did not have any test equipment at all, so a specific IF was as elusive in practice as in concept to them. Let it be known and recalled: image rejection was not a goal in the original Super Gainer. The 5M one used an intermediate frequency as low as 35 kc (0.000035 mc) or so and of images Frank said "tune the better one." Jones, and Maj. Armstrong when he was walking around in France in WWI simply wanted signals down low enough to use a regenerative detector. It is problematic how close they were to the Direct Conversion scheme back then -- perhaps very close.

Later, when Jones refined the concept for HF, he began to use 455 kc and prefer a specific iron core transformer of the type used in the McMurdo Silver Super Gainer kits in the late '30s, but still the idea was the same: build a one-transformer superhet without an IF amplification stage followed by the proven regenerative detector that every one then understood and accepted. This was proletarian radio at best and seditious squandering of technology to the masses at worse -- the things really worked and would run with the best commercially available rigs when the regenerative, not super-regenerative, detector was mastered. It was a classic and like most classics it comes back.

The last Super Gainer is described in CQ for November, 1957 and repeated in CQ Amateur Radio Anthology II, 1952-1959 at page 129. He says he had been getting letters for 20 years and shows a final version built for a friend who wanted speaker output -- the ancients were all earphone persons. The new Super Gainer has an RF amp and a v.t. (6AB4) TR switch front end. The IF is about 500 kc, which was the frequency of an at-hand surplus crystal, and a single stage of IF amplification was added to make up for the one-crystal filter's losses. Those of the Buick Roadmaster theory of Radio -- one control -- will loath the late Super Gainer, too, as it requires one to adjust the crystal filter (a godsend to CW ops) as well as the regenerative detector. "[It] is too selective for 'phone," Frank admits, but in typical

straightforwardness, he bends the crystal filter phasing cap over at the edge so it can be shorted out.

No one has described an optimized Super Gainer with modern devices. Frank switched to FETs late in life, but if he took the S-G up, we do not know. Most of his stuff is in a landfill in W6 land, but he left a legacy worth pursuit.

Resources:

A diagram of a Frank Jones Super Gainer for 5M is shown (unattributed) in Bill Orr's column in CQ for November, 1997 at page 51.

For those who want to see the '57 version, I will send a copy for the customary \$1 and an SASE. Address below.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins

Box 226841

Dallas, TX 75222 MNHopkins@AOL.com

-----

End of QRP-L Digest 923

\*\*\*\*\*

-----